



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

09/747, 774B

PIPE

9-17-02

RECEIVED

SEP 24 2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

TECH CENTER 1600/2900

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual- ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

RECEIVED

SEP 24 2002

TECH CENTER 1600/2900



OIPF

RAW SEQUENCE LISTING

DATE: 09/17/2002

PATENT APPLICATION: US/09/747,774B

TIME: 10:59:04

ERROR ON p. 4

Input Set : A:\SeqListCorr2.txt

Output Set: N:\CRF3\09172002\I747774B.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Klein, Christine A.
 4 Murphy, Andrew J. M.
 5 Broach, James R.
 6 Manfredi, John
 7 Paul, Jeremy
 8 Fowlkes, Dana M.
 9 Trueheart, Joshua
 11 <120> TITLE OF INVENTION: Methods and Compositions for Identifying
 12 Receptor Effectors
 14 <130> FILE REFERENCE: CPI-012CP5DV
 16 <140> CURRENT APPLICATION NUMBER: US 09/747,774B
 C--> 17 <141> CURRENT FILING DATE: 2002-08-16
 19 <150> PRIOR APPLICATION NUMBER: US 08/582,333
 20 <151> PRIOR FILING DATE: 1996-01-17
 22 <150> PRIOR APPLICATION NUMBER: US 08/464,531
 23 <151> PRIOR FILING DATE: 1995-06-05
 25 <150> PRIOR APPLICATION NUMBER: US 08/461,598
 26 <151> PRIOR FILING DATE: 1995-06-05
 28 <150> PRIOR APPLICATION NUMBER: US 08/461,383
 29 <151> PRIOR FILING DATE: 1995-06-05
 31 <150> PRIOR APPLICATION NUMBER: US 08/463,181
 32 <151> PRIOR FILING DATE: 1995-06-05
 34 <150> PRIOR APPLICATION NUMBER: US 08/322,137
 35 <151> PRIOR FILING DATE: 1994-10-13
 37 <150> PRIOR APPLICATION NUMBER: US 08/309,313
 38 <151> PRIOR FILING DATE: 1994-09-20
 40 <150> PRIOR APPLICATION NUMBER: US 08/190,328
 41 <151> PRIOR FILING DATE: 1994-01-31
 43 <150> PRIOR APPLICATION NUMBER: US 08/041,431
 44 <151> PRIOR FILING DATE: 1993-03-31
 46 <160> NUMBER OF SEQ ID NOS: 100
 48 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 50 <210> SEQ ID NO: 1
 51 <211> LENGTH: 10
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Saccharomyces cerevisiae
 55 <400> SEQUENCE: 1
 56 Leu Leu Leu Leu Ala Gly Glu Ser Gly
 57 1 5 10
 60 <210> SEQ ID NO: 2
 61 <211> LENGTH: 9
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Saccharomyces cerevisiae

RAW SEQUENCE LISTING

DATE: 09/17/2002

PATENT APPLICATION: US/09/747,774B

TIME: 10:59:04

Input Set : A:\SeqListCorr2.txt

Output Set: N:\CRF3\09172002\I747774B.raw

```

65 <400> SEQUENCE: 2
66 Gly Ser Gly Glu Ser Gly Asp Ser Thr
67 1 5
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 9
72 <212> TYPE: PRT
73 <213> ORGANISM: Saccharomyces cerevisiae
75 <400> SEQUENCE: 3
76 Leu Ile His Glu Asp Ile Ala Lys Ala
77 1 5
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 13
82 <212> TYPE: PRT
83 <213> ORGANISM: Saccharomyces cerevisiae
85 <400> SEQUENCE: 4
86 Ser Leu Leu Trp Leu Thr Cys Arg Pro Trp Glu Ala Met
87 1 5 10
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 34
92 <212> TYPE: DNA
93 <213> ORGANISM: Saccharomyces cerevisiae
95 <400> SEQUENCE: 5
96 gttaagaacc atatactagt atcaaaaatg tctg 34
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 35
100 <212> TYPE: DNA
101 <213> ORGANISM: Saccharomyces cerevisiae
103 <400> SEQUENCE: 6
104 tgatcaaaat ttactagttt gaaaaagtaa ttctg 35
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 28
108 <212> TYPE: DNA
109 <213> ORGANISM: Saccharomyces cerevisiae
111 <400> SEQUENCE: 7
112 ggcaaaatac tagtaaaatt ttcattg 28
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 34
116 <212> TYPE: DNA
117 <213> ORGANISM: Saccharomyces cerevisiae
119 <400> SEQUENCE: 8
120 ggcccttaac acactagtgt cgcattatat ttac 34
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 60
124 <212> TYPE: DNA
125 <213> ORGANISM: Saccharomyces cerevisiae
127 <400> SEQUENCE: 9
128 ctaaagaaga aggggtatct ttgcttaagc tcgagatctc gactgataac aacagtgtag 60
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 31

```

RAW SEQUENCE LISTING

DATE: 09/17/2002

PATENT APPLICATION: US/09/747,774B

TIME: 10:59:04

Input Set : A:\SeqListCorr2.txt

Output Set: N:\CRF3\09172002\I747774B.raw

```

133 <212> TYPE: DNA
134 <213> ORGANISM: Saccharomyces cerevisiae
136 <400> SEQUENCE: 10
137 catacacaat ataaagcttt aaaagaatga g 31
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 28
141 <212> TYPE: DNA
142 <213> ORGANISM: Saccharomyces cerevisiae
144 <400> SEQUENCE: 11
145 ttaagcgtga ggcagaagct tatcgata 28
147 <210> SEQ ID NO: 12
148 <211> LENGTH: 28
149 <212> TYPE: DNA
150 <213> ORGANISM: Saccharomyces cerevisiae
152 <400> SEQUENCE: 12
153 cgcaactccgt cttcgaatag ctatctag 28
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 25
157 <212> TYPE: DNA
158 <213> ORGANISM: Saccharomyces cerevisiae
160 <400> SEQUENCE: 13
161 gctacttaag cgtgaggcag aagct 25
163 <210> SEQ ID NO: 14
164 <211> LENGTH: 38
165 <212> TYPE: DNA
166 <213> ORGANISM: Saccharomyces cerevisiae
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (11)...(13)
171 <223> OTHER INFORMATION: n = A,T,C or G
173 <400> SEQUENCE: 14
W--> 174 cggatgatca nnnagcttct gcctcacgct taagtagc 38
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 71
178 <212> TYPE: DNA
179 <213> ORGANISM: Saccharomyces cerevisiae
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: 19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,
184 <222> LOCATION: 46,47,49,50,52,53
185 <223> OTHER INFORMATION: n = A,T,C or G
W--> 187 <400> 15
W--> 188 ctggatgcga agacagctnn knnknknknk nnknknknkn nknnknknkn knnktgatca 60
189 gtctgtgacg c 71
191 <210> SEQ ID NO: 16
192 <211> LENGTH: 17
193 <212> TYPE: DNA
194 <213> ORGANISM: Saccharomyces cerevisiae
196 <400> SEQUENCE: 16

```

RAW SEQUENCE LISTING

DATE: 09/17/2002

PATENT APPLICATION: US/09/747,774B

TIME: 10:59:04

Input Set : A:\SeqListCorr2.txt

Output Set: N:\CRF3\09172002\I747774B.raw

197 gcgtcacaga ctgatca 17
199 <210> SEQ ID NO: 17
200 <211> LENGTH: 17
201 <212> TYPE: DNA
202 <213> ORGANISM: Saccharomyces cerevisiae
204 <400> SEQUENCE: 17
205 tgatcagtct gtgacgc 17
207 <210> SEQ ID NO: 18
208 <211> LENGTH: 17
209 <212> TYPE: DNA
210 <213> ORGANISM: Saccharomyces cerevisiae
212 <400> SEQUENCE: 18
213 actagtcaga cactgcg 17
215 <210> SEQ ID NO: 19
216 <211> LENGTH: 41
217 <212> TYPE: DNA
218 <213> ORGANISM: Saccharomyces cerevisiae
220 <400> SEQUENCE: 19
221 ccaaaataag tacaaagctt tcgaatagaa atgcaaccat c 41
223 <210> SEQ ID NO: 20
224 <211> LENGTH: 59
225 <212> TYPE: DNA
226 <213> ORGANISM: Saccharomyces cerevisiae
228 <400> SEQUENCE: 20
229 gccgctccaa aagaaaagac ctcgagctcg cttaagttct gcgtacaaaa acgttggtc 59
231 <210> SEQ ID NO: 21
232 <211> LENGTH: 26
233 <212> TYPE: DNA
234 <213> ORGANISM: Saccharomyces cerevisiae
236 <400> SEQUENCE: 21
237 ggtactcgag tgaaaagaag gacaac 26
239 <210> SEQ ID NO: 22
240 <211> LENGTH: 49
241 <212> TYPE: DNA
242 <213> ORGANISM: Saccharomyces cerevisiae
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: 28-39, 42
247 <223> OTHER INFORMATION: n = A,T,C or G
249 <400> SEQUENCE: 22
W--> 250 cgtacttaag caataacaca nnngttgtcc ttcttttcac tcgagtacc
252 <210> SEQ ID NO: 23
253 <211> LENGTH: 17
254 <212> TYPE: DNA
255 <213> ORGANISM: Saccharomyces cerevisiae
257 <400> SEQUENCE: 23
258 gcgtcacaga ctgatca 17
260 <210> SEQ ID NO: 24
261 <211> LENGTH: 71

n found at locations
21, 22, 23
and not as
designated

RAW SEQUENCE LISTING

DATE: 09/17/2002

PATENT APPLICATION: US/09/747,774B

TIME: 10:59:04

Input Set : A:\SeqListCorr2.txt

Output Set: N:\CRF3\09172002\I747774B.raw

```

262 <212> TYPE: DNA
263 <213> ORGANISM: Saccharomyces cerevisiae
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (1)...(71)
268 <223> OTHER INFORMATION: n = A,T,C or G
270 <400> SEQUENCE: 24
W--> 271 gccgtcagta aagcttgga ttggttgnnn nnnnnnnnnm mncagcctat gtactgatca 60
      272 gtctgtgacg c                                     71
274 <210> SEQ ID NO: 25
275 <211> LENGTH: 39
276 <212> TYPE: DNA
277 <213> ORGANISM: Saccharomyces cerevisiae
279 <220> FEATURE:
280 <221> NAME/KEY: CDS
281 <222> LOCATION: (1)...(39)
283 <400> SEQUENCE: 25
284 tgg cat tgg ttg cag cta aaa cct ggc caa cca atg tac          39
285 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
286 1          5          10
289 <210> SEQ ID NO: 26
290 <211> LENGTH: 13
291 <212> TYPE: PRT
292 <213> ORGANISM: Saccharomyces cerevisiae
294 <400> SEQUENCE: 26
295 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
296 1          5          10
299 <210> SEQ ID NO: 27
300 <211> LENGTH: 39
301 <212> TYPE: DNA
302 <213> ORGANISM: Saccharomyces cerevisiae
304 <220> FEATURE:
305 <221> NAME/KEY: CDS
306 <222> LOCATION: (1)...(39)
308 <400> SEQUENCE: 27
309 tgg cat tgg ttg cag cta aaa cct ggc cag cct atg tac          39
310 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
311 1          5          10
314 <210> SEQ ID NO: 28
315 <211> LENGTH: 13
316 <212> TYPE: PRT
317 <213> ORGANISM: Saccharomyces cerevisiae
319 <400> SEQUENCE: 28
320 Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
321 1          5          10
324 <210> SEQ ID NO: 29
325 <211> LENGTH: 39
326 <212> TYPE: DNA
327 <213> ORGANISM: Saccharomyces cerevisiae

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/17/2002
PATENT APPLICATION: US/09/747,774B TIME: 10:59:05

Input Set : A:\SeqListCorr2.txt
Output Set: N:\CRF3\09172002\I747774B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 11,12,13
Seq#:15; N Pos. 19,20,22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47
Seq#:15; N Pos. 49,50,52,53
Seq#:22; N Pos. 21,22,23
Seq#:24; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,42
Seq#:57; N Pos. 29,30,32,33,35,36,38,39,41,42,44,45,47,48,50,51,53,54,56,57
Seq#:57; N Pos. 59,60,62,63,65,66
Seq#:59; N Pos. 12,13,15,16,18,19,21,22,24,25,27,28,30,31,33,34,36,37,39,40
Seq#:59; N Pos. 42,43,45,46,48,49
Seq#:60; N Pos. 27,28,30,31,33,34,36,37,39,40,42,43,45,46,48,49,51,52,54,55
Seq#:60; N Pos. 57,58
Seq#:62; N Pos. 22,23,25,26,28,29,31,32,34,35,37,38,40,41,43,44,46,47,49,50
Seq#:62; N Pos. 52,53

VERIFICATION SUMMARY

DATE: 09/17/2002

PATENT APPLICATION: US/09/747,774B

TIME: 10:59:05

Input Set : A:\SeqListCorr2.txt

Output Set: N:\CRF3\09172002\I747774B.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:187 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:655 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:57
L:656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60
L:678 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:59
L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:692 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:60
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:715 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:62
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0